

FIG. 1A

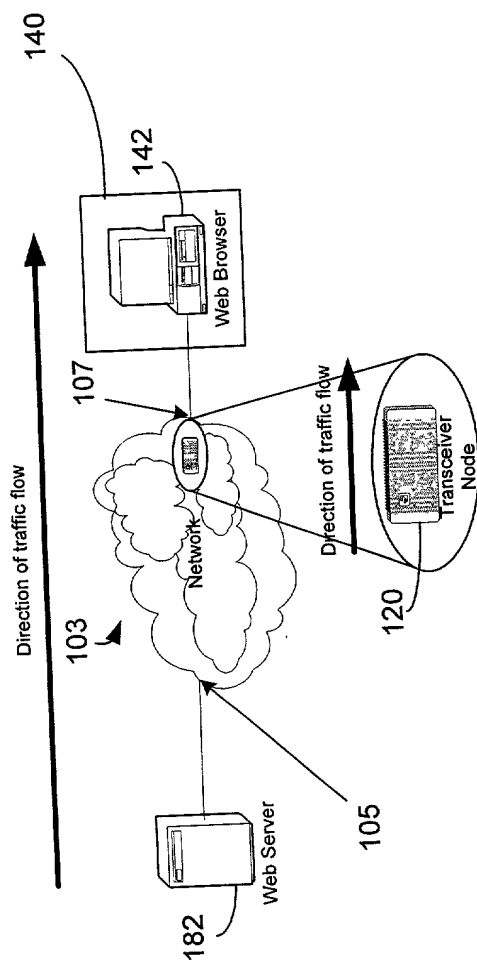


FIG. 1B

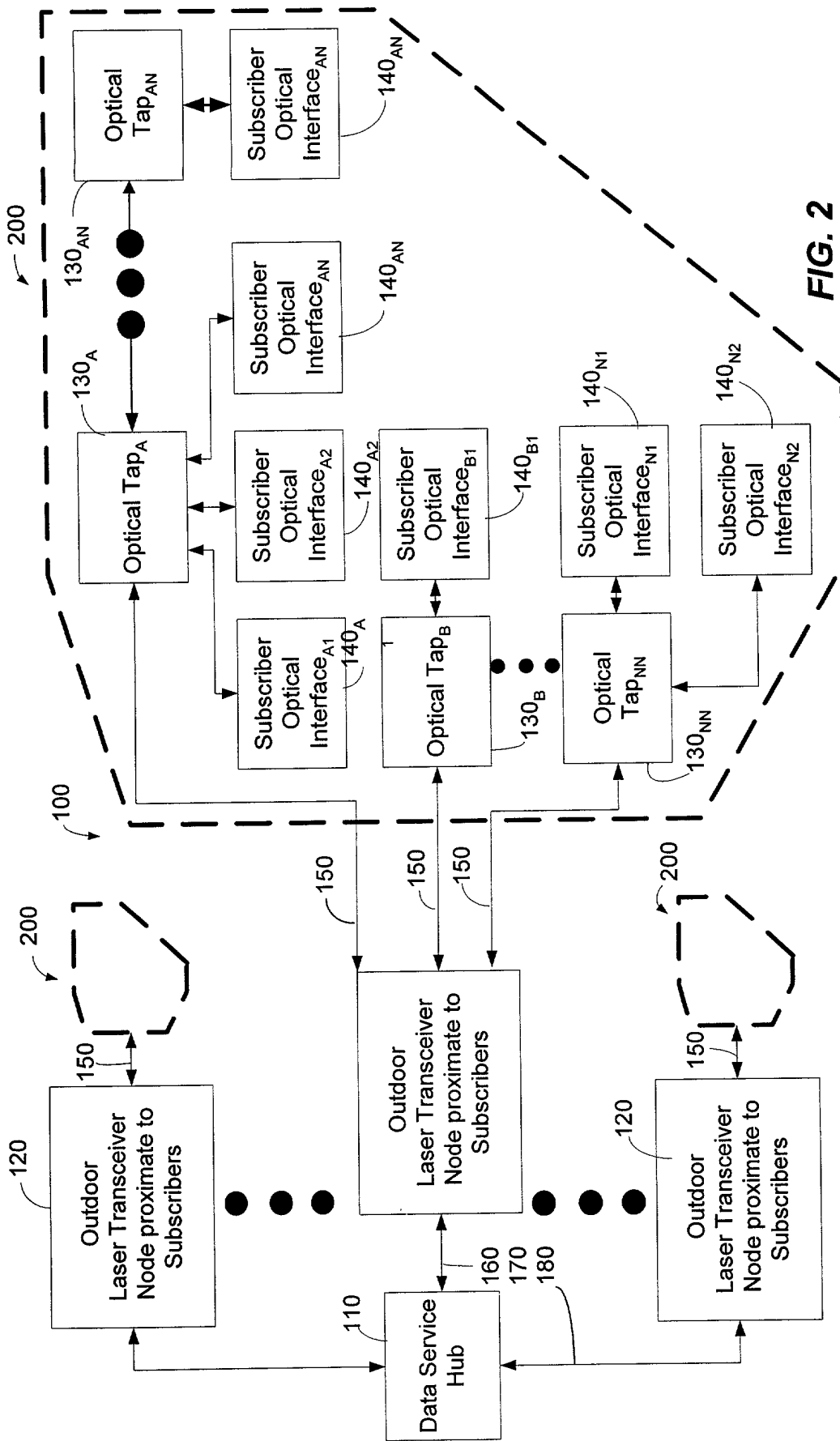
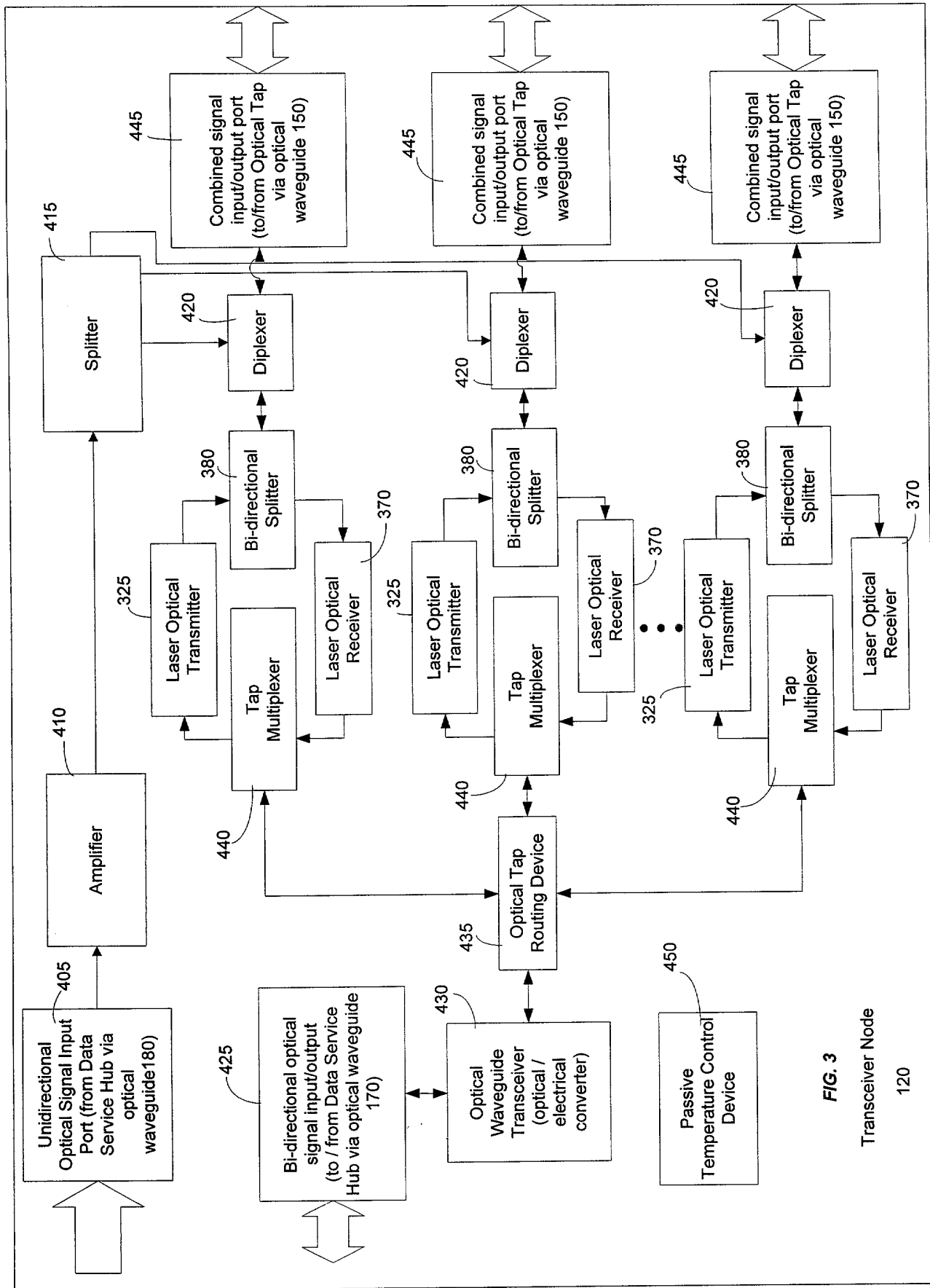
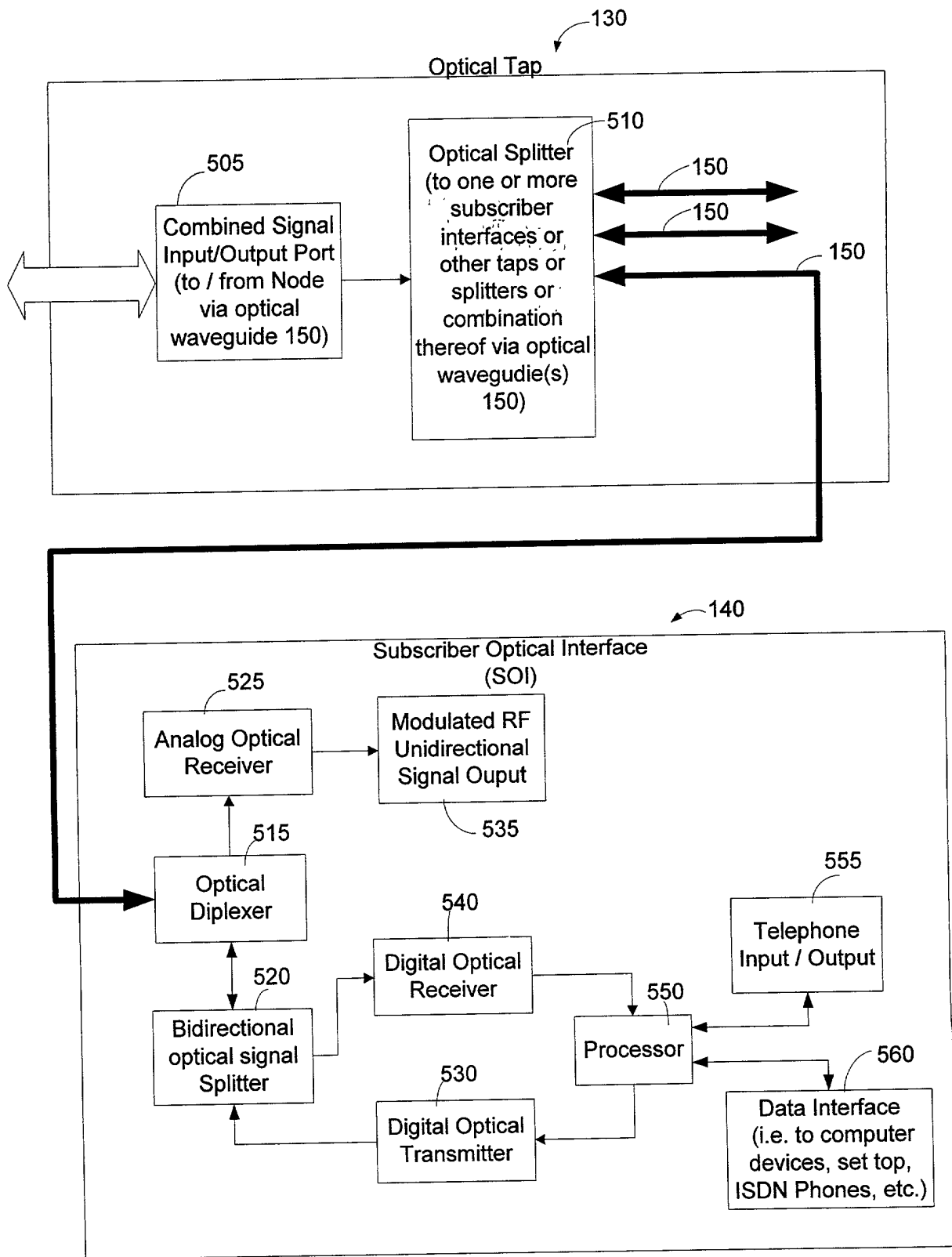


FIG. 2



**FIG. 3**  
Transceiver Node  
120



**FIG. 4**

FIG. 5 is a block diagram of a tap multiplexer system. The system includes an optical tap routing device 435, a tap multiplexer 440, and a laser transmitter 325. The tap multiplexer 440 is composed of a classifier mapping function 631, a policer mapping function 665, and four output buffers 566, 568, 570, and 572. The classifier mapping function 631 receives input from the optical tap routing device 435 and outputs to a classifier 562. The policer mapping function 665 receives input from the classifier 562 and outputs to a policer 564. The output buffers 566, 568, 570, and 572 receive input from the policer 564 and output to the laser transmitter 325.

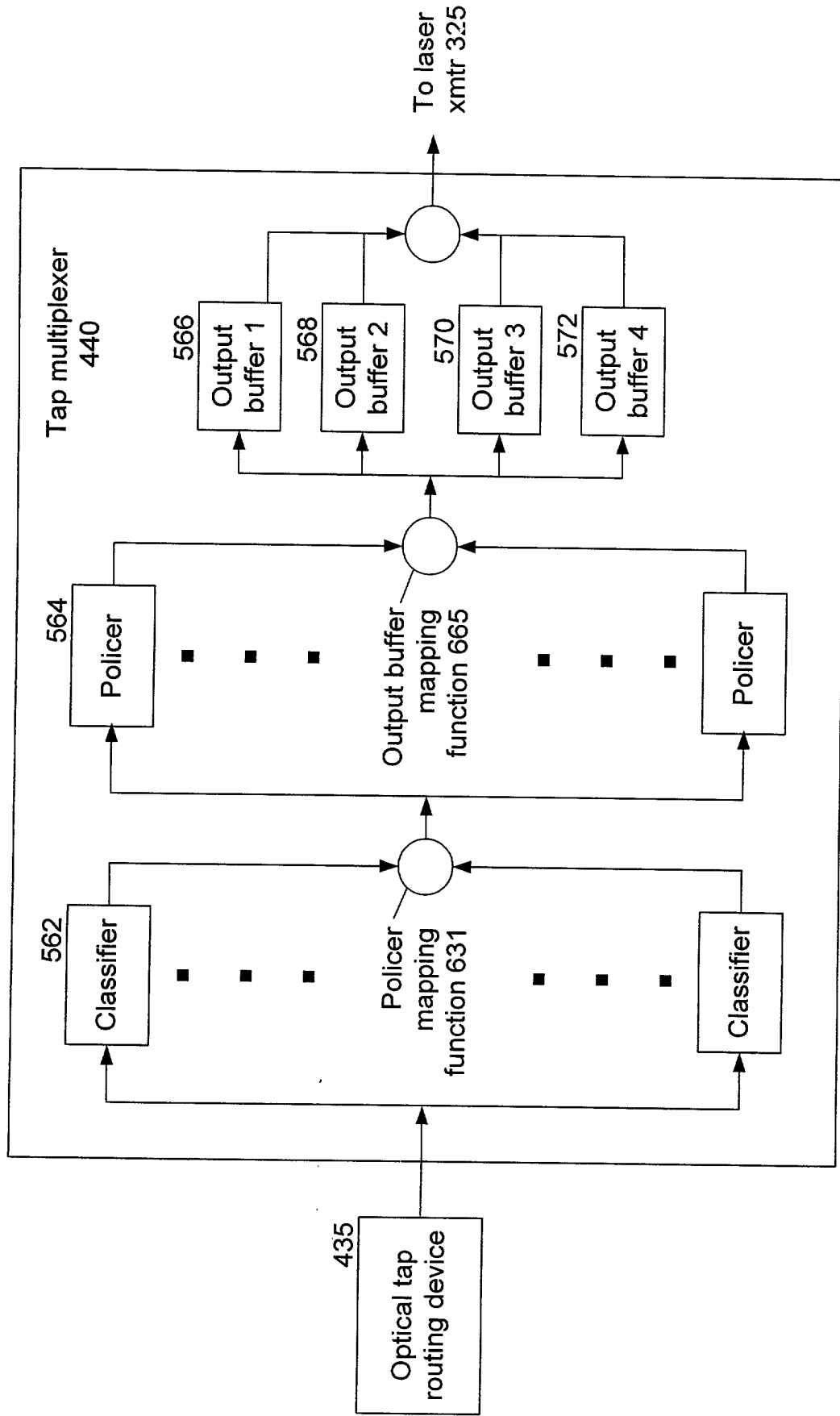
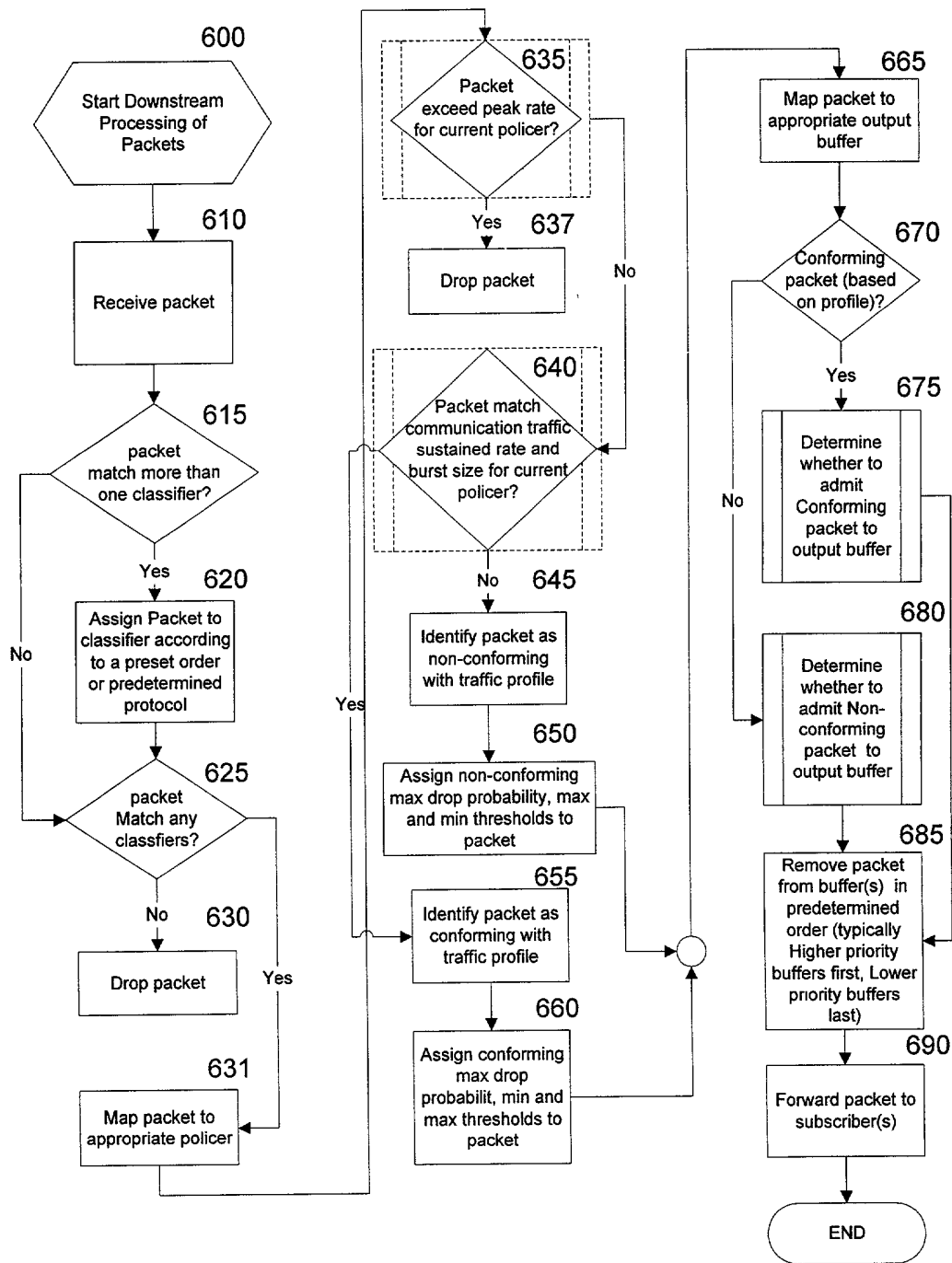
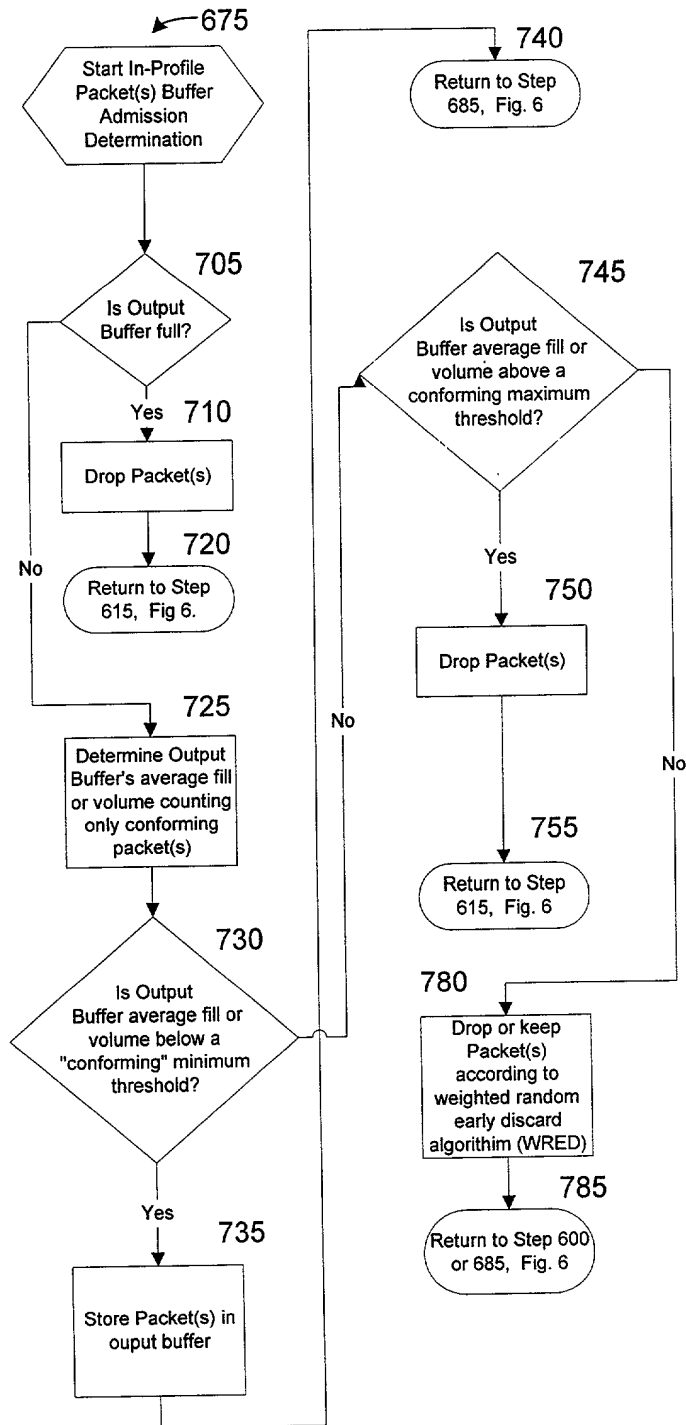


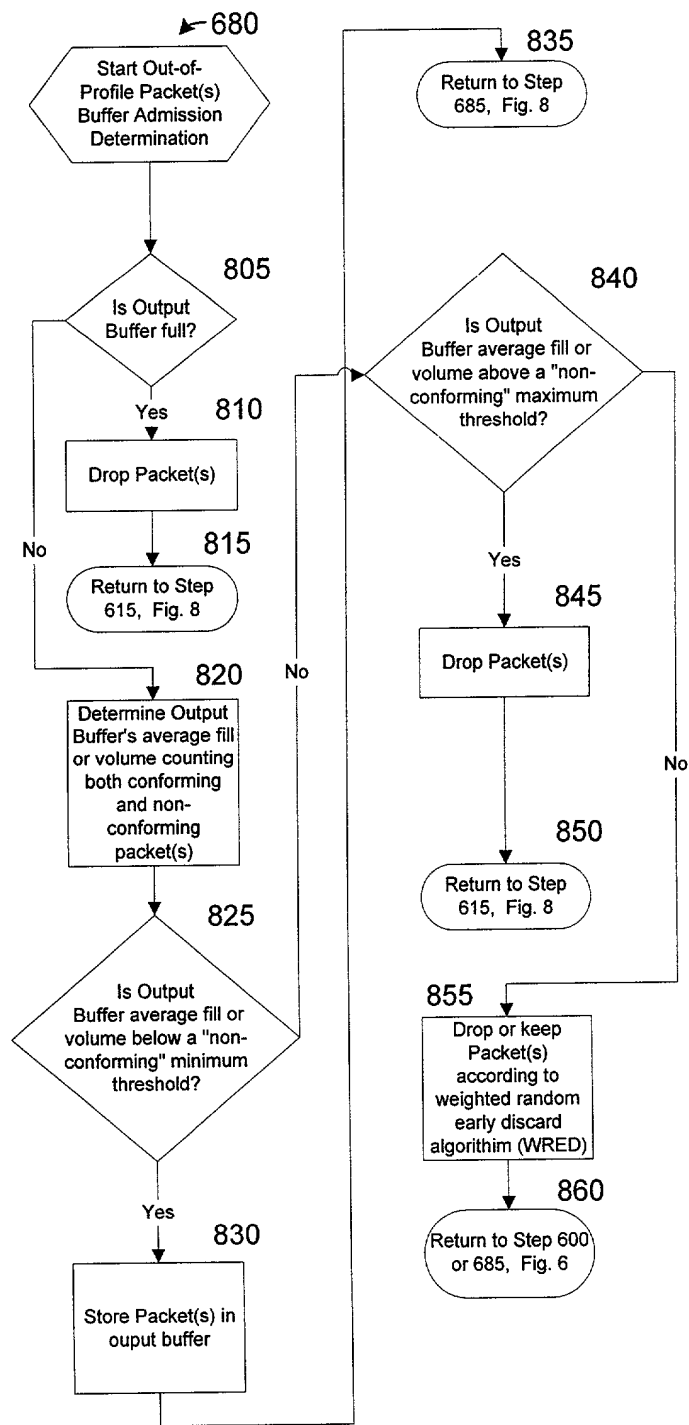
FIG. 5



**FIG. 6**

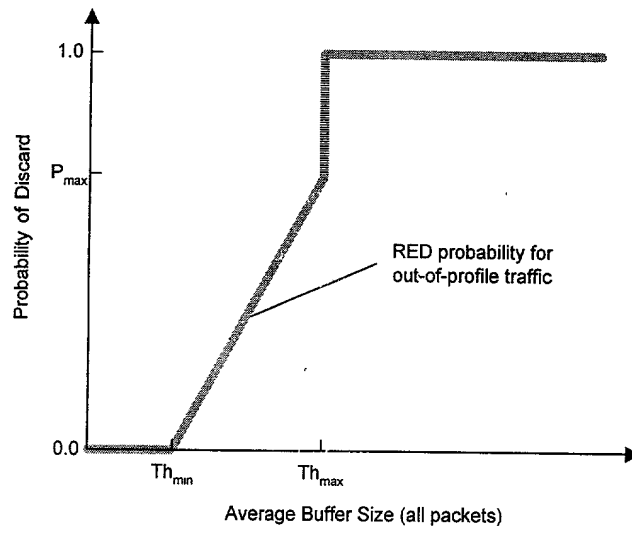


**FIG. 7**

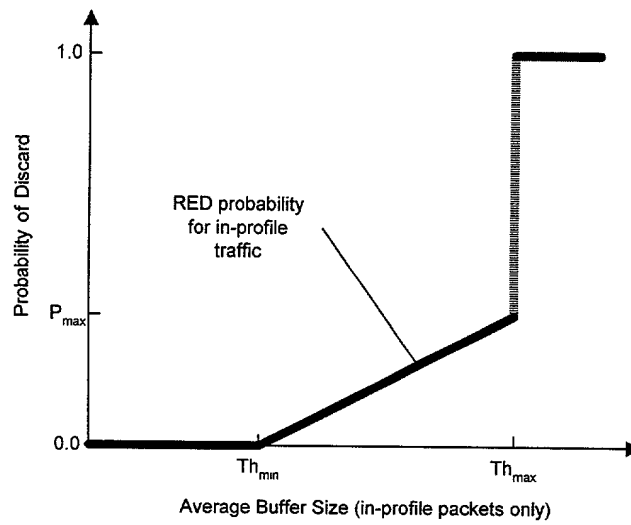


**FIG. 8**





**FIG. 9**



**FIG. 10**